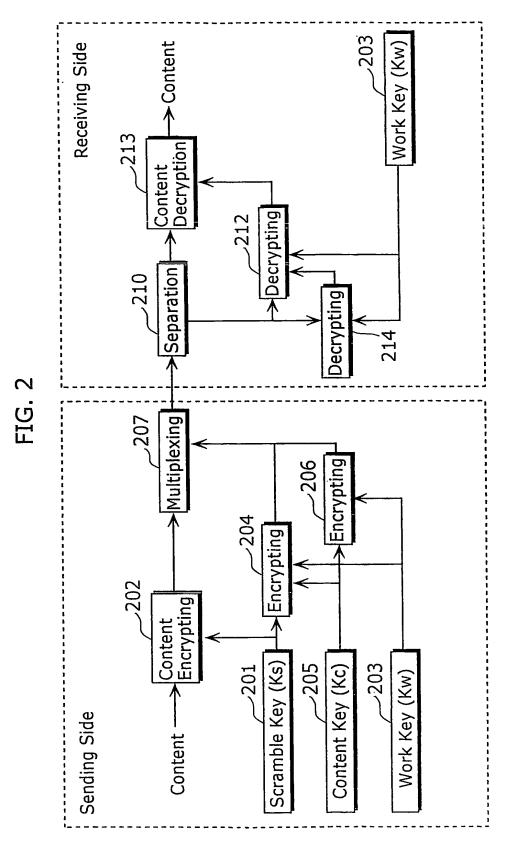
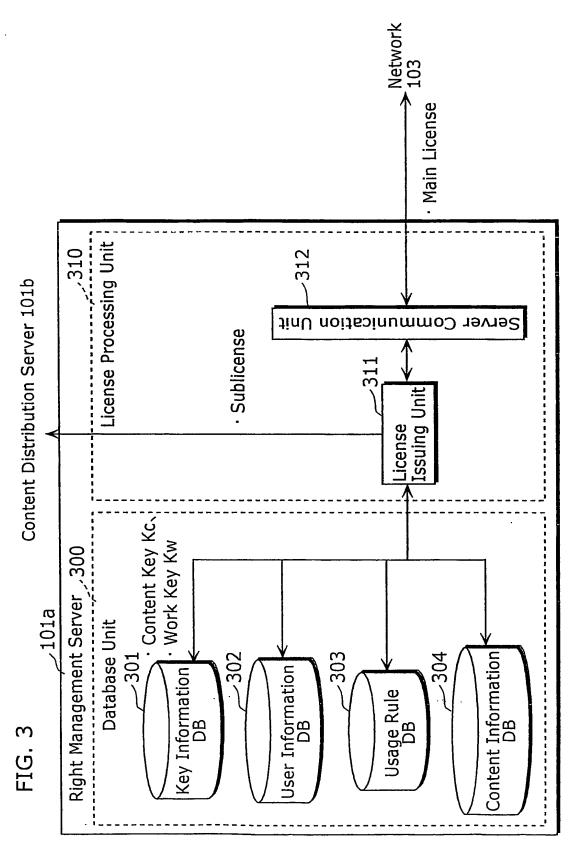


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FIG. 4

400	203	Work Key Kw	0x2340685345310911	0xabcabcabcabcab	•••
Work Key Management Table 400	405	Work Key ID	Kw-ID-00001	Kw-ID-00002	•
Wo	401	Contract ID	CONTRACT-ID-00001	CONTRACT-ID-00002	-

FIG. 5

## Content Key Management Table 500

501ر	205
Content ID	Content Key Kc
CONTENT-ID-00001	0x1234567890abcdef
CONTENT-ID-00002	0x43195745a4098b4e
CONTENT-ID-00003	0x3970584ad3922247
CONTENT-ID-00004	0x2411197120121974
	• • •

FIG. 6
User Information Management Table 600

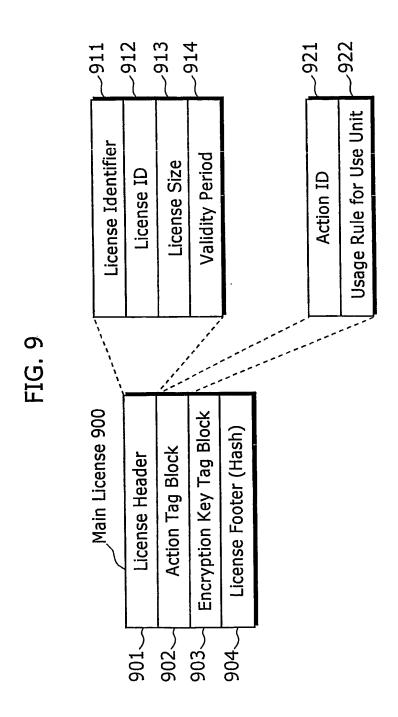
601	602
User ID	Terminal ID
USER-ID-00001	TERMINAL-ID-00001
USER-ID-00002	TERMINAL-ID-12345 TERMINAL-ID-54321
USER-ID-00003	TERMINAL-ID-77777
USER-ID-00004	TERMINAL-ID-99999

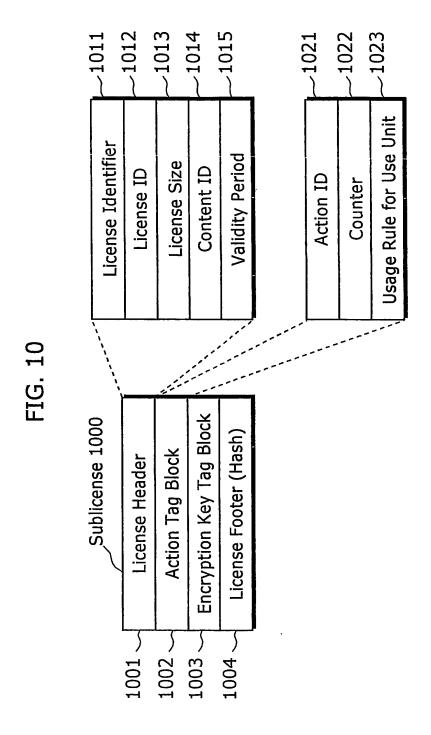
Issuing Permission Remaining Times ,705 2 Usage Rule Management Table 700 URUS-ID-24024|CONTRACT-ID-02804|2003/11/24~2004/12/23 2003/12/31~2004/1/30 2003/12/1~2004/12/31 704 Validity Period 8 703 URUS-ID-00001 CONTRACT-ID-00001 URUS-ID-00002 CONTRACT-ID-13452 USER-ID-00002 | URUS-ID-10011 | CONTRACT-ID-99999 Contract ID 702 Usage Rule 701 USER-ID-00003 USER-ID-00002 JSER-ID-00001 User ID

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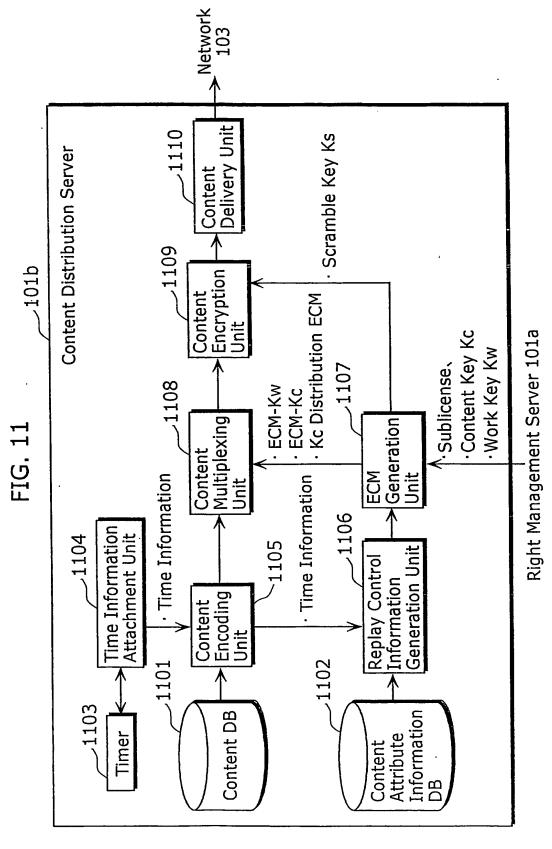
FIG. 8

ole 800	804	Use Permission Times	8	8	1	5	•
Content Information Management Table 800	803	Validity Period	2003/12/31~2004/1/30	2003/12/1~2004/12/31	8	LICENSE-ID-00004 2003/11/24~2004/12/23	•
Content ]	805	License ID	LICENSE-ID-00001	LICENSE-ID-00002	LICENSE-ID-00003	LICENSE-ID-00004	•
·	801	Content ID	CONTENT-ID-00001	CONTENT-ID-00002	CONTENT-ID-00003	CONTENT-ID-00004	•





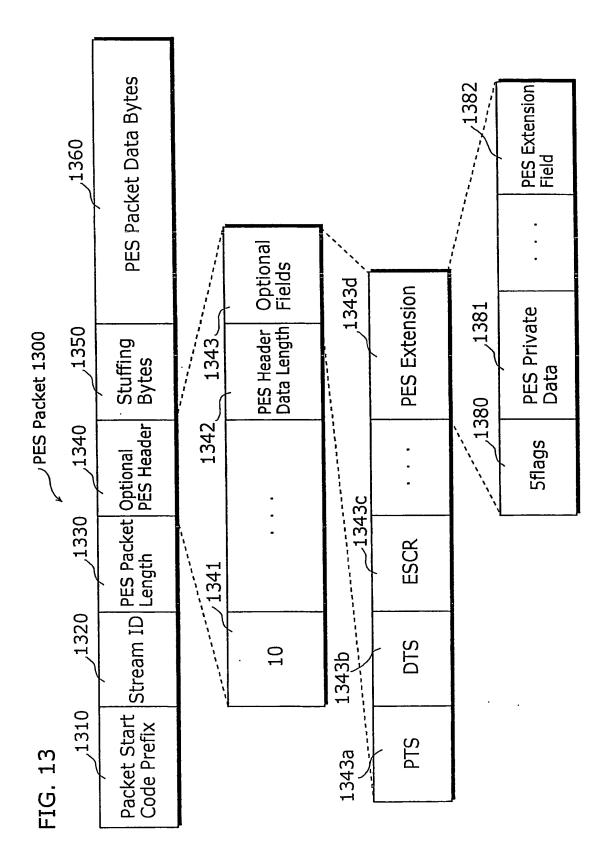
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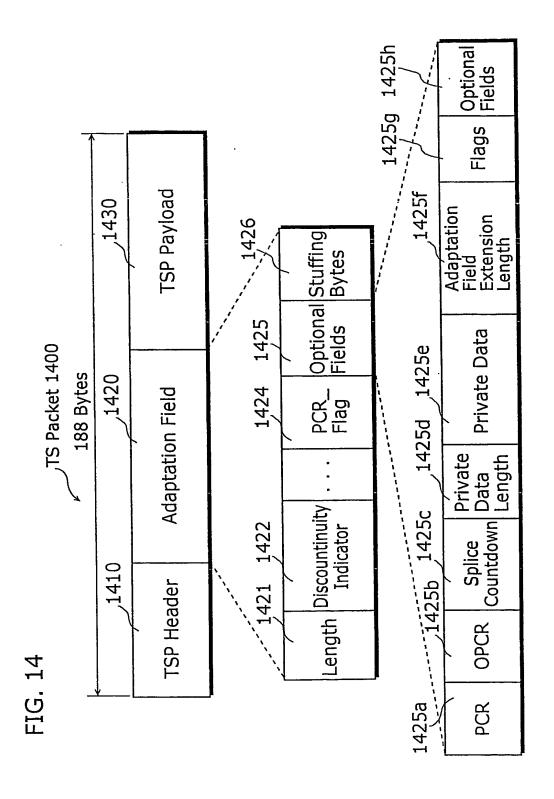


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FIG. 12

1200	į	•	· .	:	•
nagement Table :	1204	CM Section	5Min.~8Min. 20Min.~25Min. 40Min.~43Min.		• • •
Content Attribute Information Management Table 1200	1203	Preview Permitted Section	0Min.∼10Min.	Real Time:  OMin.~10Min. Stored: 5Min.~10Min. 20Min.~30Min.	•
Conte	1202	Content Name	Inoue Tetsuya NEWS 23	Product X	•
	1201	Content ID	CONTENT-ID-00001	CONTENT-ID-00002	





-15241522 1521 Control Start Time n Control End Time n Number of Control Time Information Control Start Time Control End Time 1514 1513 1511 1512 Number of Control Times Control Expiration Number of Control Control Range Control ID Information Control Information Tag Block 1500 Control Information Tag Value Control Information Length Control Information 1503

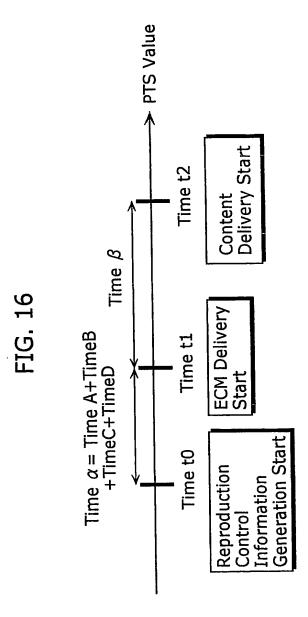


FIG. 17

Control Information 1503	2 Preview Permitted 2004/9/14 2 Times 1 10000 100000 Special Replay Unavailable 2004/7/6 3 Times 2 20000 100000 500000 1000000	17011702170317041705a1705b17061711171217131714a1714b171517161717
		<u>j</u>

FIG. 18

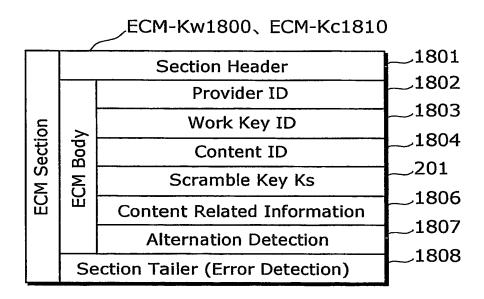
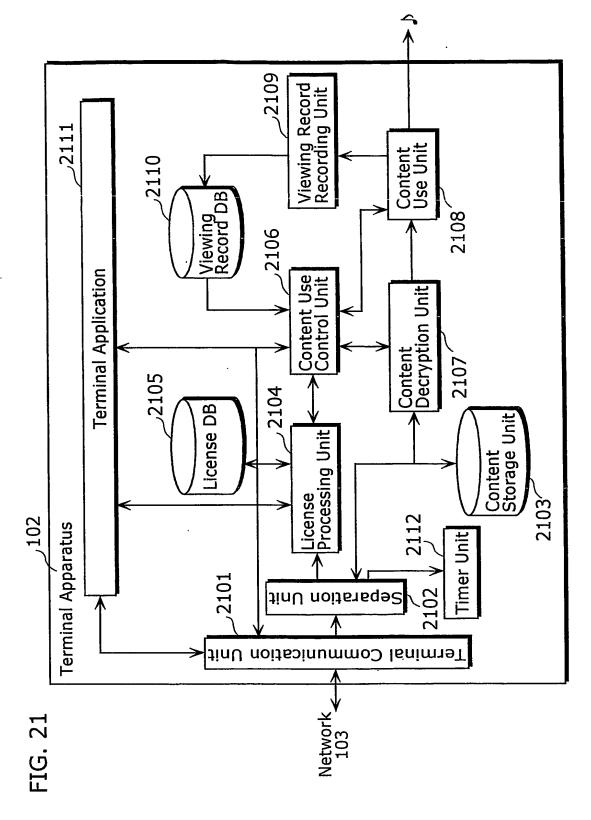


FIG. 19

Kc Distribution ECM 1900					
		Section Header	_1901		
ا ا	,	Provider ID	1902		
ECM Section	ECM Body	Work Key ID	1903		
MS	M	Sub License	1000 1904		
	Ш	Alternation Detection	1904		
	Eı	ror Detection (Section Tailer)	1903		

FIG. 20

Sublicense 1000	
License Header	1001
Action Tag Block	1002
Encryption Key Tag Block	1003
Control Information Tag Block	1500 1004
License Footer (Hash)	1004



LICENSE-ID-223606 TERMINAL-ID-00001 CONTENT-ID-00001 2003/1/1 10:00:00 39705843970 USER-ID-00001 32141683 13970584 13999999 XDRM-UL 128 Play Ŋ Number of Time Information Start Time Information1 Start Time InformationN **End Time InformationN** End Time Information1 ~ UL2200 Use Start Time **UL Identifier** Action Type Terminal ID Content ID License ID UL Size User ID Time Information 2201~ 2202 2203~ 2204~ 2205~ 2207 2206~ 2208~ 2209~

FIG. 23

Expected LT Info	rmation (ELI) 2300
ELI Identifier	2301
Terminal ID	2302
Use Condition ID	2303
Contract ID	2304

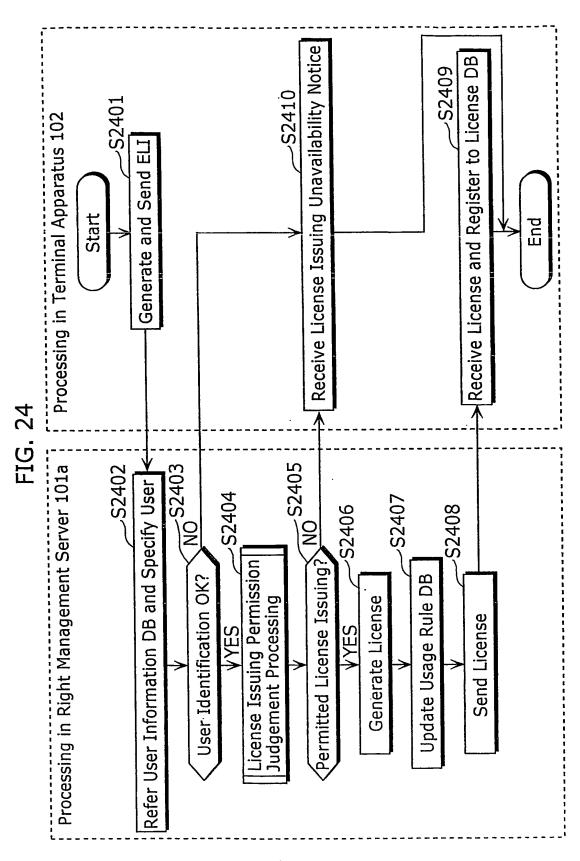


FIG. 25 Start -S2501 NO Have Usage Rule ID Specified by ELI? YES S2502 NO Satisfy Validity Period? YES S2503 NO Have Remaining Issuing Permissions? YES S2504 S2505 Judge License Issuing Unavailable Judge License Issuing Permitted Return

FIG. 26

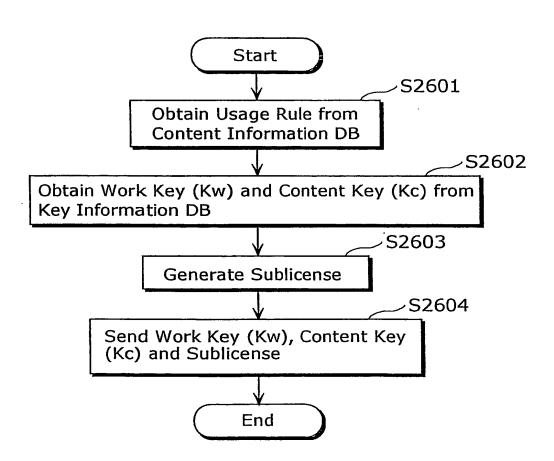


FIG. 27

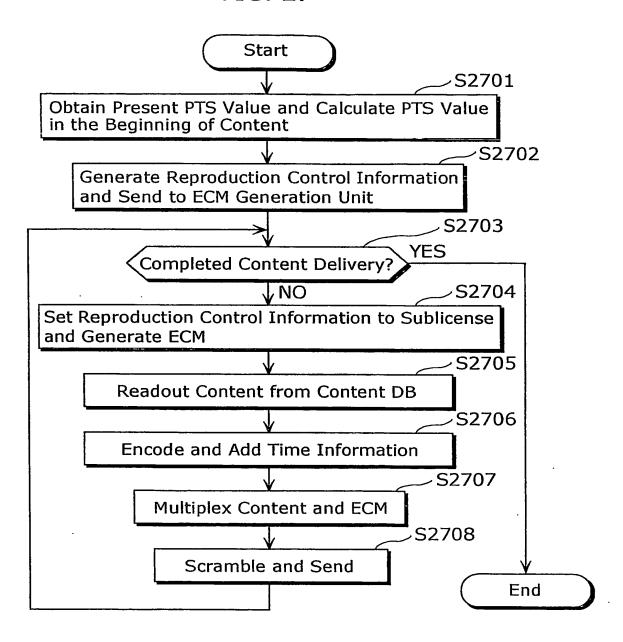
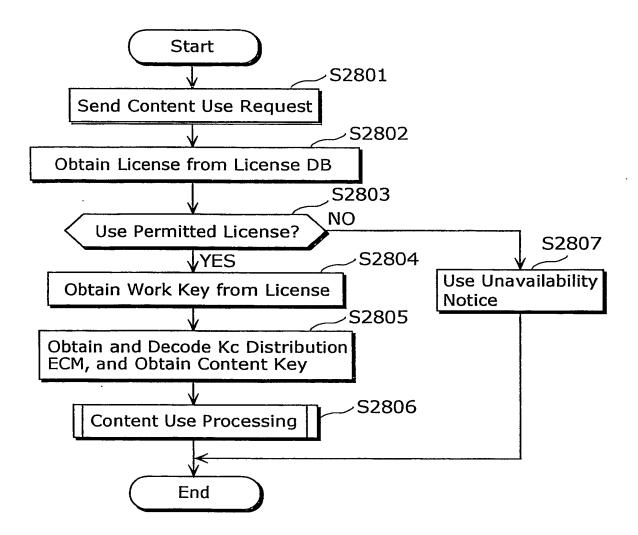


FIG. 28



Start
S2901
Readout Content
S2902
Completed Content Reproduction?
VO
S2903
Decode ECM-Kc, Obtain Scramble Key Ks
Descramble and Decode Content
Record PTS of Viewed Section
Return

WO 2005/046167

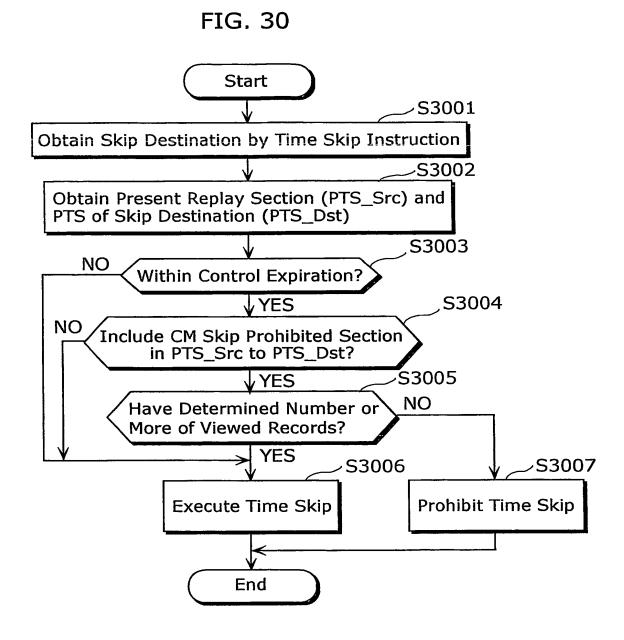
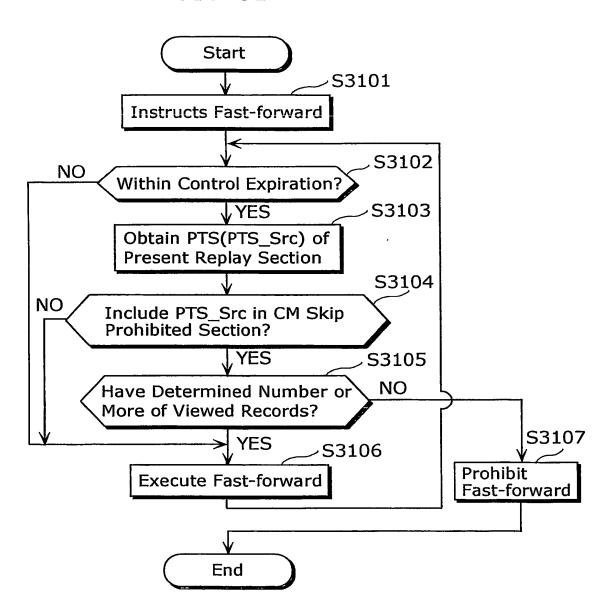


FIG. 31



Start S3201 **Instruct Preview** S3202 NO Within Control Expiration **↓YES** S3203 Obtain PTS(PTS\_Src) of Present Replay Section S3204 NO Include PTS\_Src in Preview Section YES S3205 NO Have Determined Number or More of Viewed Records? YES >S3206 S3207 **Execute Preview Prohibit Preview** 

FIG. 32

End